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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	10/738,459
Filing Date	December 17, 2003
First Named Inventor	Tour, et al.
Art Unit	1753
Examiner Name	Unknown
Attorney Docket Number	11321-P060US

Sheet

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U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	9/22/05
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Translation is attached.
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INFORMATION DISCLOSURE
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Sheet

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Art Unit	1753
Examiner Name	Unknown
Attorney Docket Number	11321-P060US

NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
(CJ)		Iijima, "Helical microtubules of graphitic carbon," Nature, 354, pp. 56-58, 1991 *	
		Iijima et al., "Single-shell carbon nanotubes of 1-nm diameter," Nature, 363, pp. 603-605, 1993 *	
		Bethune et al., "Cobalt-catalysed growth of carbon nanotubes," Nature, 363, pp. 605-607, 1993 *	
		Ebbesen, "Carbon Nanotubes," Annu. Rev. Mater. Sci., 24, pp. 235-264 (1994) *	
		Zhou et al., "Materials Science of Carbon Nanotubes: Fabrication, Integration, and Properties of Macroscopic Structures of Carbon Nanotubes," Acc. Chem. Res., 35(12), pp. 1045-1053 (2002) *	
		Dai, "Carbon Nanotubes: Synthesis, Integration, and Properties," Acc. Chem. Res., 35(12), pp. 1035-1044 (2002) *	
		Yakobson et al., "Fullerene Nanotubes: C1,000,000 and Beyond," American Scientist, 85, pp. 324-337 (1997) *	
		Ajayan, "Nanotubes from Carbon," Chem. Rev., 99, pp. 1787-1799 (1999) *	
		Baughman et al., "Carbon Nanotubes—the Route Toward Applications," Science, 297, pp. 787-792 (2002) *	
		Thess et al., Science, "Crystalline Ropes of Metallic Carbon Nanotubes," 273, pp. 483-487 (1996) *	

Examiner Signature	<i>Edna Wong</i>	Date Considered	9/22/05
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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
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				Filing Date	December 17, 2003
				First Named Inventor	Tour, et al.
				Art Unit	1753
				Examiner Name	Unknown
Sheet	3	of	6	Attorney Docket Number	11321-P060US

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
<i>AS</i>		Hone et al., "Electrical and thermal transport properties of magnetically aligned single wall carbon nanotube films," Appl. Phys. Lett., 77, pp. 666-668 (2000)		*	
		Yu et al., "Tensile Loading of Ropes of Single Wall Carbon Nanotubes and their Mechanical Properties," Phys. Rev. Lett., 84, pp. 5552-5555 (2000)		*	
		Mitchell et al., "Dispersion of Functionalized Carbon Nanotubes in Polystyrene," Macromolecules, 35, pp. 8825-8830 (2002)		*	
		Thostenson et al., "Advances in the science and technology of carbon nanotubes and their composites: a review," Composites Sci. & Tech., 61, pp. 1899-1912 (2001)		*	
		Zhan, et al., "Single-wall carbon nanotubes as attractive toughening agents in aluminum based nanocomposites," Nature Materials, 2, pp. 38-42 (2003)		*	
		Ajayan et al., "Nanotubes in a Flash—Ignition and Reconstruction," Science, 296, p. 705 (2002)		*	
		Bockrath et al., "Igniting Nanotubes with a Flash," Science, 297, pp. 192-193 (2002)		*	
		Liu et al., "Fullerene Pipes," Science, 280, pp. 1253-1256 (1998) Chen et al., "Solution Properties of Single-Walled Carbon nanotubes," Science, 282, pp. 95-98 (1998)		*	
		Chen et al., "Solution Properties of Single-Walled Carbon nanotubes," Science, 282, pp. 95-98 (1998)		*	
		Khabashesku et al., "Fluorination of Single-Wall Carbon Nanotubes and Subsequent Derivatization Reactions," Acc. Chem. Res., 35, pp. 1087-1095 (2002)		*	

Examiner Signature	<i>Eric Wong</i>	Date Considered	<i>9/22/05</i>
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W		Sun et al., "Functionalized Carbon Nanotubes: Properties and Applications," Acc. Chem. Res., 35, pp. 1096-1104 (2002) *	
		Holzinger et al., "Sidewall Functionalization of Carbon Nanotubes," Angew. Chem. Int. Ed., 40(21), pp. 4002-4005 (2001) *	
		Bahr et al., "Covalent chemistry of single-wall carbon nanotubes," J. Mater. Chem., 12, pp. 1952-1958 (2002) *	
		Gu et al., "Cutting Single-Wall Carbon Nanotubes through Fluorination," Nano Letters, 2(9), pp. 1009-1013 (2002) *	
		O'Connell et al., "Reversible water-solubilization of single-walled carbon nanotubes by polymer wrapping," Chem. Phys. Lett., 342, pp. 265-271 (2001) *	
		Rinzler et al., "Large-Scale Purification of Single-Walled Carbon Nanotubes: Process, Product, and Characterization," Appl. Phys. A, 67, pp. 29-37 (1998) *	
		Zimmerman et al., "Gas-Phase Purification of Single-Wall Carbon Nanotubes," Chem. Mater., 12(5), pp. 1361-1366 (2000) *	
		Chiang et al., "Purification and Characterization of Single-Wall Carbon nanotubes," J. Phys. Chem. B, 105, pp. 1157-1161 (2001) *	
		Chiang et al., "Purification and Characterization of Single-Wall Carbon Nanotubes (SWNTs) Obtained from the Gas-Phase Decomposition of CO (HiPco Process)," J. Phys. Chem. B, 105, pp. 8297-8301 (2001) *	
		Farkas et al., "Length sorting cut single wall carbon nanotubes by high performance liquid chromatography," Chem. Phys. Lett., 363, pp. 111-116 (2002) *	

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Application Number 10/738,459

Filing Date December 17, 2003

First Named Inventor Tour, et al.

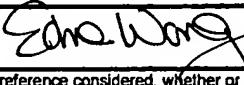
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		Dyke, et al., "Solvent-Free Functionalization of Carbon Nanotubes," J. Am. Chem. Soc., 125, pp. 1156-1157 (2003) *	
		Chattopadhyay et al., "A Route for Bulk Separation of Semiconducting from Metallic Single-Wall Carbon nanotubes," J. Am. Chem. Soc., 125, 3370-3375 (2003) *	
		Bachilo et al., "Structure-Assigned Optical Spectra of Single-Walled Carbon Nanotubes," Science, 298, 2361-2366 (2002) *	
		Strano et al., "Electronic Structure Control of Single Walled Carbon Nanotube Functionalization," Science, 301, pp. 1519-1522 (2003) *	
		Imholt et al., "Nanotubes in Microwave Fields: Light Emission, Intense Heat, Outgassing, and Reconstruction," Chem. Mater., 15, pp. 3969-3970 (2003) *	
		Nikolaev et al., "Gas-Phase Catalytic Growth of Single-Walled Carbon Nanotubes from Carbon Monoxide," Chem. Phys. Lett., 313, pp. 91-97 (1999) *	
		Dyke, et al., "Unbundled and Highly Functionalized Carbon Nanotubes from Aqueous Reactions," Nano Lett., 3, pp. 1215-1218 (2003) *	
		Palstra et al., "Electric current induced light emission from C60," Carbon, 35, pp. 1825-1831 (1997) *	
		Pradhan et al., "Large cryogenic storage of hydrogen in carbon nanotubes at low pressures," J. Mater. Res., 17, pp. 2209-2216 (2002) *	
		Ma. et al., "Hydrogen storage capacity in single-walled carbon nanotubes," Phys. Rev. B., 65, #155430 (6 pages) (2002) *	

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(A)		Gundiah et al., "Hydrogen storage in carbon nanotubes and related materials," J. Mater. Chem., 13, pp. 209-213 (2003) *	
		Gordillo et al., "Zero-Temperature Equation of State of Quasi-One-Dimensional H ₂ ," Phys. Rev. Lett., 85, pp. 2348-2251 (2000) *	
		Baghurst et al., "Superheating Effects Associated with Microwave Dielectric Heating, J. Chem. Soc., Chem. Commun., 6, p. 674 (1992) *	
		Terrones et al., "Molecular Junctions by Joining Single-Walled Carbon Nanotubes," Phys. Rev. Lett., 89, #075505 (2002) *	
		Tsai et al., "The welding of carbon nanotubes," Carbon, 38 (13), pp. 1899-1902 (2000); Baughman et al., Science, 297, pp. 787-792 (2002) *	
		Zhao et al., "Dynamic Topology of Fullerene Coalescence," Phys. Rev. Lett., 88, #185501 (2002) *	
		Zhao et al., "Coalescence of fullerene cages: Topology, energetics, and molecular dynamics simulation," Phys. Rev. B, 66, #195409(9 pages) (2002) *	
		Davis, et al., "Phase Behavior and Rheology of SWNTs in Superacids," Macromolecules, 2003) *	
		Jiang et al., "Spinning continuous carbon nanotube yarns," Nature, 419, p. 801 (2002) *	
		USSN 60/511,285 (Ericson, et al.), filed October 14, 2003	

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